WHAT IS CLAIMED IS:

1. An apparatus for displaying a three-dimensional image of an object to be displayed, through a superimposing of a plurality of images of said object, which are placed so as to be apart from each other on a line of sight of an observer, comprising:

a plurality of display units disposed in tandem on said line of sight, each of said plurality of display units comprising at least one screen section for displaying at least one image of said plurality of images; and

a display image control unit for displaying a screen section-adjustment image on each of said plurality of display units, to enable the three-dimensional image to be displayed, in case where the observer is placed in a predetermined observation position.

2. The apparatus as claimed in Claim 1, further comprising:

a display mode control unit for making a change in a display mode for said screen section-adjustment image, which is displayed on at least one display unit of said plurality of display units; and

an input unit for enabling instructions on change in said display mode to be inputted into said display mode control unit.

3. The apparatus as claimed in Claim 2, wherein:

said input unit comprises an external input device through which an external input operation is to be carried out.

4. The apparatus as claimed in Claim 2, wherein:

said display mode control unit is configured to enable said at least one display unit to shift in a predetermined direction; and

said input unit enables instructions to shift said at least one display unit in said predetermined direction by a predetermined distance to be inputted into said input unit.

5. The apparatus as claimed in Claim 2, wherein:

said display mode control unit is configured to enable an apparent distance between adjacent two display units of said plurality of display units to vary; and

said input unit enables instructions to vary said apparent distance to a predetermined distance to be inputted into said input unit.

6. The apparatus as claimed in Claim 2, wherein:

said display mode control unit is configured to enable said at least one screen section to shift on a plane, which intersects said line of sight; and

said input unit enables instructions to shift said at least one screen section by a predetermined distance to be inputted into said input unit.

7. The apparatus as claimed in Claim 2, wherein:

said display mode control unit is configured to enable said at least one screen section to be scaled; and

said input unit enables instructions to scale said at least one screen section at a predetermined magnification to be inputted into said input unit.

8. The apparatus as claimed in Claim 2, wherein:

said display mode control unit is configured to enable brightness of at least one part of said at least one screen section to vary; and

said input unit enables instructions to vary the brightness of said at least one part to be inputted into said input unit.

9. The apparatus as claimed in Claim 2, wherein:

said display mode control unit is configured to enable chromaticity of at least one part of said at least one screen section to vary; and

said input unit enables instructions to vary the chromaticity of said at least one part to be inputted into said input unit.

10. The apparatus as claimed in Claim 2, wherein:

said display mode control unit is configured to enable distortion of at least one part of said at least one screen section to vary; and

said input unit enables instructions to vary the distortion of said at least one part to be inputted into

said input unit.

11. The apparatus as claimed in Claim 2, wherein:

said display mode control unit is configured to enable an inclination angle of at least one part of said at least one screen section to vary; and

said input unit enables instructions to vary the inclination angle of said at least one part to be inputted into said input unit.

12. The apparatus as claimed in Claim 6, wherein:

said display mode control unit applies a signal processing to an image signal supplied to said at least one display unit to make a change in the display mode for said screen section-adjustment image.

13. The apparatus as claimed in Claim 2, further comprising:

a record unit for recording state information on a predetermined state of said apparatus.

14. The apparatus as claimed in Claim 13, wherein:

said input unit enables any one of said state information to be selected and enables instructions to make a change in the display mode based on said any one as selected to be inputted into said input unit.

15. The apparatus as claimed in Claim 1, wherein:

of said plurality of display units, at least one display unit other than a display unit, which is disposed on a rearmost

side in a viewing direction of said observer, comprises a translucent display device.

16. The apparatus as claimed in Claim 15, wherein:

said translucent display device comprises any one of a liquid crystal display device and an electroluminescent display device.

17. The apparatus as claimed in Claim 1, wherein:

said plurality of display units comprise at least one composite display unit, which is obtained thorough composition by means of a half mirror.

18. A method for displaying a three-dimensional image of an object to be displayed, through a superimposing of a plurality of images of said object, which are placed so as to be apart from each other on a line of sight of an observer, said method comprising:

an image signal generation step for generating a screen section-adjustment image, which enables the three-dimensional image to be displayed on each of a plurality of display units, in case where the observer is placed in a predetermined observation position; and

a display image control step for displaying said screen section-adjustment image, which has been generated by said image signal generation step, on said each of said plurality of display units.

19. The method as claimed in Claim 18, further comprising:

a display mode control step for making a change in a display mode for said screen section-adjustment image, which is displayed on at least one display unit of said plurality of display units; and

an input step for inputting instructions on change in said display mode.

20. The method as claimed in Claim 19, further comprising:

a record step for recording state information on a predetermined state of an apparatus for displaying the three-dimensional image.